

Application Serial No: 09/835,863
Attorney Docket No.: ACT-125

Amendments to the Specification:

Please replace the paragraph beginning at page 5, line 18, with the following rewritten paragraph:

a2

--Fig. 1 shows an optical interconnect 100 according to an illustrative embodiment of the present invention. The optical interconnect 100 further includes a substrate 101 and a lid 102. Collectively, the substrate 101 and lid 102 may comprise an optical waveguide holder. An opening 103 in the lid 102 illustratively includes an optical waveguide structure 104, which is disposed over the substrate. The optical waveguide 104 illustratively includes planar waveguides 113, which may be part of an integrated optic chip. The substrate 101 has a first side 105 and a second side 106, similarly, Similarly, the lid 102 has a first side 107 and a second side 108. When the lid 102 is disposed over the substrate 101, a first depression 109 and a second depression 110 are defined. A first guide pin 111 is disposed in the first depression and a second guide pin 112 is disposed in the second depression 110. Illustratively, the lid 102 is adhered to the substrate 101. This adhesion may be carried out by well-known techniques including by use of a suitable adhesive, such as epoxy or glass or by other techniques (e.g. wafer-wafer bonding) that are well known to one having ordinary skill in the art.--

Please replace the paragraph beginning at page 7, line 9, with the following rewritten paragraph:

a3

--Fig. 2 shows an optical interconnect 200 according to another illustrative embodiment of the present invention. A substrate 201 has a lid 202 disposed thereover. Again, collectively, the substrate 201 and lid 202 may be referred to as a waveguide holder. An optical waveguide structure 212 includes optical waveguides 203. The substrate 201 has a first side 204 and a second side 205. The top silicon chip 202 has overhangs 206 and 207. A first depression 208 is formed with the edge 209 of the first side of the substrate 204 and the overhang 206 of the lid 202. A second depression 210 is created with edge 211 of the second side 205 of substrate 204 and the overhang 207 of the lid 202.--